

Proton Radiography Call for Proposals for FY13

The Los Alamos Neutron Science Center (LANSCE) is issuing a Call for Proposals for experiments to be carried out at the Proton Radiography Facility (pRad) during Fiscal Year 2013 (October 1, 2012 – September 30, 2013) with consideration for extensions into FY14. All experiments whether they are dynamic, static, classified, or unclassified must have a corresponding proposal submitted to the Program Advisory Committee (PAC). The PAC is an advisory committee to the LANSCE User Facility Director and not a funding committee. However, the PAC ranking may be folded into programmatic sponsor's decision-making processes and used as a means for Laboratory management to identify potential funding. All proposals that cover work that is continuing or are an extension of work being done this year (FY12) must attach either a progress report, a final shot report, or a published paper on the results of that work. An overview of proton radiography capabilities is attached. To submit a proposal, please use the accompanying PDF fill-in form. The proposals will be ranked on the following four criteria:

- 1) Programmatic relevance and impact,
- 2) Quality of the science being proposed,
- 3) Is the experiment well conceived and doable with the stated resources and requested time, and
- 4) Have the requisite physical foundations for the proposed research been established?

Technical, operational, and safety risks specific to the proposed experiment should all be identified. Proposals should provide a detailed description of the experimental devices, the experimental configurations and beam time requested. Good integration with theory, modeling, and validation programs where appropriate will improve proposal ratings. LANL's pRad cost model normally has programmatic sponsors covering all expenses associated with beam time. However, approximately 10% of the run time has been set aside for compelling scientific proposals without programmatic sponsors. We welcome proposals from external institutions. For all experiments, costs for personnel not on the pRad team and unique experimental costs, including fabrication and assembly of the experimental package, must be borne by the user. Historically, the NNSA Science Campaigns have provided the bulk of support for experiments conducted at pRad although other sponsors (threat reduction, engineering campaigns, DSW, etc) have also sponsored experiments.

All proposals must be received no later than February 15, 2012 using the attached PDF fill-in Proposal Form. Oral presentations by the proposers to the Program Advisory Committee (PAC) will be scheduled for February 28-29, 2011. The PAC will review the proposals and develop a final ranking by the mid-March.

Unclassified Proposals Submission:

Unclassified proposals must be submitted to the LANSCE User Office (Tanya Herrera, e-mail: tanyah@lanl.gov). For DOE funded submitters, please ensure that the proposal has been reviewed by a Derivative Classifier.

Classified Proposals Submission:

Classified proposals may be submitted to Alexine Salazar either electronically on the secure network (alexine@lanl.gov) or via appropriate classified mail transmission channels. If the latter is chosen, you must contact Alexine Salazar first to ensure that proper mailing protocols are followed. Please ensure that proposals have had classification levels appropriately determined and that all submitted documents are appropriately marked.

Technical Questions

A brief pRad highlight brochure is attached to indicate types of experiments that have been

fielded at pRad; the experiments shown are by no means inclusive. For technical questions regarding details involved in fielding pRad experiments or in other types of experiments that could be fielded, please contact Andy Saunders (asaunders@lanl.gov). Any other questions should be directed to the LANSCE User Office (Tanya Herrera, e-mail: tanyah@lanl.gov). For additional registration information go to: <http://lansce.lanl.gov/uresources/proposals.shtml>

Thank you,

Tanya Herrera

Proposals are due February 15, 2012